

ABE(RSD) SBR/197/15-16 dt: 19.2.16

Original/Duplicate/Triplicate
CONTRACT CERTIFICATE
(For Other Works)

No. 1st & Final Bill

Date.....2014

Zone:BBMP,Yalahanka

Division:BBMP, Byatarayanapura

Sub-Division:BBMP, Kodigehalli

Bill Received No.

Dated

Divisional

Sub-Divisional

Cash Book Voucher No.....Dated.....

Job Code: 008-15-000077

Schedule Docket No. Head of Account: P1802

Est.Cost: Rs.12.00 Lakhs

D.R.NO.:

Name of Work : Drilling of Borewells and Providing pump and motors in Bhadrappa Layout
Devinagara and Maruthinagara in ward no. 8, Kodigehalli sub division

Name of Contractor and Full Address: Sri. Murali Mohan, Bangalore

Reference to Agreement No. EE/BTP/AG/25 /14-15

Date: 20.04.2015

Certified that the measurements were taken by me on: 16/ 11/2015 and recorded of Pages 258771 to 258779 of measurement Book No. 2588/2014-15 and that work is satisfactorily executed.

Contractor

Officer-in-charge of work

Certified that measurement were taken by me on 28/12/2015 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Accont have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

- 1) Total value of work done or supplies made as per account within
- 2) Deduct amount to be held in reserve being.....Percent Rs.....
- 3) " " Balance
- 4) Deduct Payment:

a) Amount of previous payment as in the Office Cash Book Voucher
No.....Dated.....S.D.No.....

adjusted towards cash advance recovery of

b) Payments cost store or other material supplied.

Now made recovery of amount creditable to this /other work
Amount paid on this bill Cheque/Cash.

5) Balance being unpaid value of work done held in reserve.

6) Deduct cash advance made on the Office cash Book Voucher No.....
dated.....less adjustments.

7) Net amount due to or from Contractor
unadjustments items.

8) Advance to Contractor for materials brought to site (as detailed) within

9) Value of Government materials supplied.

Amount

1st Final BTL 1182320 = 00
IT - 11823 = 00
VAT - 47293 = 00
FSD - 29558 = 00
LWC - 11823 = 00
CBF - 1182 = 00
Pen - 2000 = 00
Total 103679 = 00

Total amount adjusted

Contractor's Signature

Received Rs.....(in words).....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

(For use in the Office)

Witness

1

2

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

Stamp

1182320 = 00
103679 = 00
Executive Engineer
10786ul = 00
3/3

Sl. No.	Items grouped under sub-Heads and Sub-Works of the Estimate Description	Unit	Previous
			Qty
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its quality & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging technical personal and labour required etc., as per Specification and direction ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Each BW	
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.), with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work 0 to 50 m	Rmtr	
3	50 to 100 m	Rmtr	
4	100 to 150 m	Rmtr	
5	150 to 200 m	Rmtr	
6	200 to 250 m	Rmtr	
7	250 to 300 m	Rmtr	
8	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes) ,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Rmtr	
9	Providing 250mm dia PVC Pipe 6kg/cm as per specifcation and direction of the Engineer in Charge of the work	Rmtr	
10	Providing and fixing 160mm Borewell Cap with clamp Set H/D,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No.	
11	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return valve etc. complete . The pump and motor shall form an integral unit with all the required fittings 10.00 HP 20 stage.with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work 12.50 HP 20 stage	No	

Measurement	Present Measurement			Total Upto Date	
Cost	Qty	Rate Rs. P.	Amount	Qty	Cost
	2	1872.59	3745.00	2	3745.00
	100	304.47	30447.00	100	30447.00
	100	398	39800.00	100	39800.00
	100	442.78	44278.00	100	44278.00
	100	467.42	46742.00	100	46742.00
	100	541.01	54101.00	100	54101.00
	100	579.79	57979.00	100	57979.00
	140	1317.71	184479.00	140	184479.00
	36	750.7	27025.00	36	27025.00
	2	99.5	199.00	2	199.00
	2	55919	111838.00	2	111838.00

[Handwritten signature]

[Handwritten signature]
Assistant Executive Engineer,
Kodigenahalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

12	Supplying of ISI marked galvanized mild steel tube (continuously welded electric resistance welded (ERW) high frequency, induction welded (HFIW) Hot finished welded type of nominal bore given below screwed at both ends as per IS 554/1986 with latest amendments, pipes threafes at one end and the other end protected asper specification in random lengths of 4 to 7 mtrs Confirming to IS 1239 part I/1990 with amendment 1-5 and with all its latest amendements if any. The pipes supplied should be with BIS mark etc., complete and as per the directions of the Engineer-in-charge of the work	Rmtr	
13	Heavy Duty Collar 50 mm dia	Nos	
14	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr	
15	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps, one borewell cap. Cable clips with bolts, nuts, valves guages etc., involved in the job (Necessary GI pipe and specials with be supplied by the board at the site free of cost) with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No	
16	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No.	
17	Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class.with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr	
18	Labour charges for laying of 1.1 K.V class UG cable (PWD Electrical SR-1999-2000, with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr	
19	Digging or trenching of 0.6 m x 0.5 m wide refilling the trench to the required ground level and consolidating etc., complete as per Civil SR KSRB 1-2 P-7 with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr	
20	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr	
21	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No.	

	500	373.13	186565.00	500	186565.00
	82	129.35	10607.00	82	10607.00
	1040	150.25	156260.00	1040	156260.00
	2	2985	5970.00	2	5970.00
	2	283.58	567.00	2	567.00
	60	149.25	8955.00	60	8955.00
	60	7.96	478.00	60	478.00
	50	59.7	2985.00	50	2985.00
	8	238.8	1910.00	8	1910.00
	2	258.7	517.00	2	517.00

9/10

22	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal proportion of salt and charo coal 150 mm around the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 through holes of 122 mm dia, (PWD Electrical SR-1999-2000, with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No	
23	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No.	
24	Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No	
25	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No	
26	Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour etc., complete and as per the directions of the Engineer-in-charge of the work	No	
27	Supplying shunt capacitors conforming to IS 2834, 3phase 400/440 volts grade for power factor improvement of rotating machinery, Capacitor in KVAR rating Nos. 2KVAR capacity with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No	
28	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materials wiring complete as required 5 to 30 amps triple pole with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	No	
29	Fabrication supplying and mounting MS box of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and	Sq.Cm	
30	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter cum- control panel board unit of size 600x450 x200 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph. 50Hz 380/440 volts A.C.	No.	
31	Earthwork excavation for pipeline trenches including deporting or bank up to a lead of 50 mtrs including shiriry and statting danger lighting and using site rails and boming poles at every 100 mtrs wherever necessary as directed in th following structure manhole etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	
32	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and includng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe around to a depth Not less than 15cm with grave or selected earth avalabile from the exexcavation with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work 75mm Dia 6 KSC	Rmtr	
33	Refilling the basement and pipeline treanches with seclcted available earthe for trench excavation including authority condition in layers from thedi including dispensary of the sunplus earth with a heavy 200 mtrswith all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	

	2	1940.25	3881.00	2	3881.00
	12	99.5	1194.00	12	1194.00
	2	1571.5	3143.00	2	3143.00
	2	226.76	454.00	2	454.00
	8	79.6	637.00	8	637.00
	2	348.25	697.00	2	697.00
	2	995	1990.00	2	1990.00
	46800	0.33	15444.00	46800	15444.00
	2	10945	21890.00	2	21890.00
	189	187.06	35354.00	189	35354.00
	420	156.22	65612.00	420	65612.00
	189	60.7	11472.00	189	11472.00

670

34	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specification with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work	Each	
35	Bescom deposit paid to Bangalore Electric supply board for me following electric connecting a) Locations:Lottegollahalli, Receipt No.66672, RR.No.CC\$P3978, Bescom Receipt No.256710788284, dated:5.12.15 (Rs.4000+600+94X6300) Bescom Receipt No.545039481777, dt.27.11.15 b) Location:Muneshwara Temple Road LT3 phan type Receipt No.66671, dt.10.12.15 BESCOM RR No.C4P3979, Receipt No.545039474070, Dt.8.12.15 Bescom Receipt No.256710748976 dt.27.11.15		
	Total		

CRTIFICATE:

1. Certified that the above work done satisfactory and no materials issued from Departmentally

	10	2110.46	21105.00	10	21105.00
			27096.00 24000		27096.00 24000
			1185416.00		1185416.00

1182320

1182320

9/5

Assistant Executive Engineer,
Kodigehalli Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.